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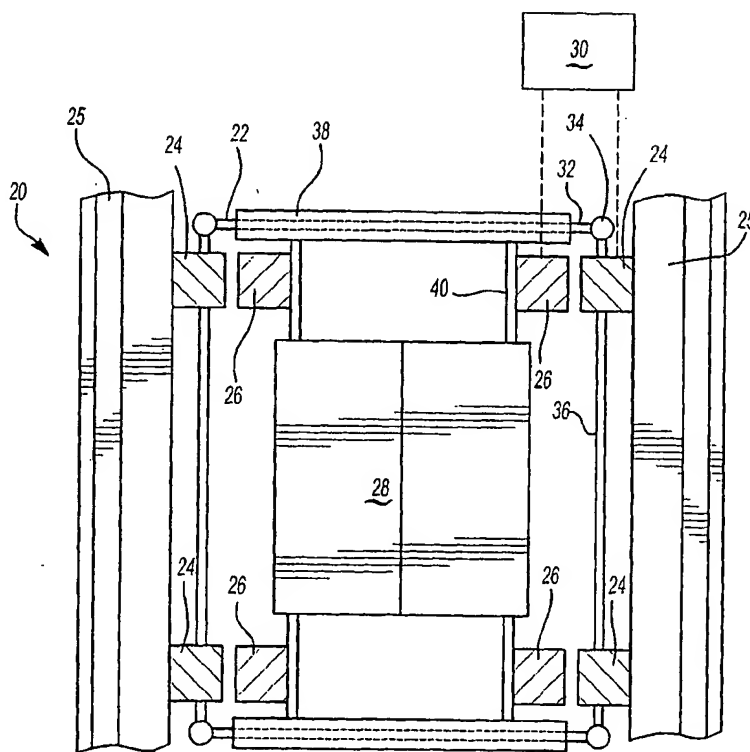
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(54) Title: **ELEVATOR ACTIVE SUSPENSION UTILIZING REPULSIVE MAGNETIC FORCE**



(57) Abstract: An elevator includes a car follower (22) associated with each of a pair of guide rails (25), and carrying electromagnets (24) which are spaced from electromagnets (26) on an elevator car (28). The electromagnets on the car and car follower create a repulsive force tending to center the car between the car follower electromagnets associated with the two guide rails. Preferably, the car follower electromagnets are interconnected into a single car follower such that they move together.

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